**Assignment Template Form (Vehicle Inventory System)**

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Assignment Functionality Completed:

**Vehicle class implemented**

Vehicle class fully implemented and tested

**VehicleDAO CRUD methods implemented**

Method to connect to the vehicle database

Method to return all vehicles stored in the database

Method to return a single vehicle based on ID

Method to insert vehicle into database

Method to update details of a vehicle stored in the database based on ID

Method to delete vehicle in database based on ID

Use of prepared statements

**Console menu system incorporated**

Application has a menu system to allow CRUD methods to be fully tested

**Web Front-End**

Server connects to database and vehicles displayed using an HTML table

Server incorporates administrator log-in

Administrator can add new vehicle

Administrator can update existing vehicle

Administrator can delete vehicle

**Advanced Features**

Check the validity of licence registrations (regular expressions)

Server allows a user to search the inventory by make, model and price range

Security features (password hashing, temporary password generation)

Vehicle sales recorded

Additional Comments

* Completed update existing vehicle on web front end, but constraint is that all fields must have an input for vehicle to be updated. Otherwise you get a HTTP 500 code.
* Completed check validity of license registrations in console.
* Completed Vehicles Sales database, however, I have set it so the table is only viewed in admin/privileged mode.